

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/093989 A1

(51) International Patent Classification⁷: **H04L 9/00**,
G06F 13/00

Information Technology and Computer Scie, nce, University of Wollongong, Wollongong, NSW 2522 (AU). **SHEPPARD, Nicholas, Paul** [AU/AU]; School of Information Technology and Computer Scie, nce, University of Wollongong, Wollongong, NSW 2522 (AU).

(21) International Application Number:
PCT/AU2005/000449

(74) Agent: **WATERMARK PATENT & TRADEMARK ATTORNEYS**; 290 Burwood Road, Hawthorn, VIC 3122 (AU).

(22) International Filing Date: 29 March 2005 (29.03.2005)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

(26) Publication Language: English

{Continued on next page}

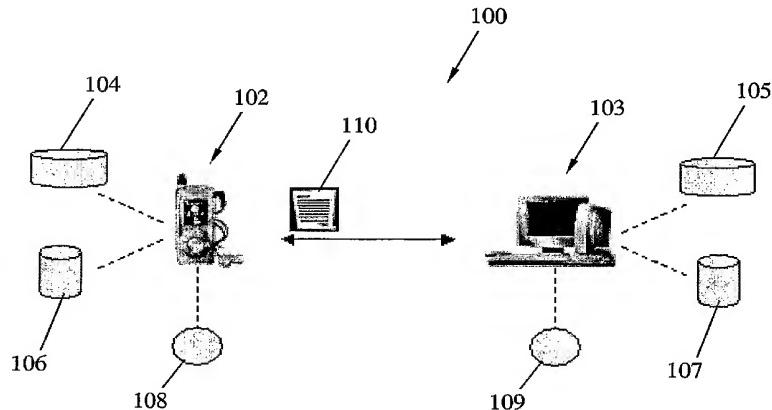
(30) Priority Data:
2004901684 29 March 2004 (29.03.2004) AU

(71) Applicant (for all designated States except US): **SMART INTERNET TECHNOLOGY CRC PTY LIMITED** [AU/AU]; Bay 8, Suite 9/G12, Australian Technology Park, Eveleigh, NSW 1430 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LIU, Qiong** [AU/AU]; 4/82 Collins Street, Corrimbal, NSW 2518 (AU). **SAFAVI-NAINI, Reihaneh** [AU/AU]; School of

(54) Title: DIGITAL LICENSE SHARING SYSTEM AND METHOD



(57) **Abstract:** A digital license sharing method, system and apparatus is provided for use in a digital rights management system. Usage rights in respect of digital content are transferred between content player devices or applications by associating with each player a status indication. Transfer is carried out by transmitting a request to obtain the usage rights from a player requiring usage rights to a player currently holding the rights. The transferring player sets a first status indication to indicate that it is no longer entitled to exercise the rights, and transmits a response to the requesting player to transfer the usage rights. The requesting player then sets a second status indication to indicate that it is henceforth entitled to exercise the rights. Methods and apparatus for creating transferable licenses are also provided that employ a sharable license format including a validated portion and an unvalidated portion. The validated portion, which may be, for example, digitally signed by a license issuing authority, includes characteristic information of a digital content decryption key required to access the digital content controlled by the license. The unvalidated portion includes the digital content key itself, encrypted using an encryption key associated with a player entitled to use the license.

WO 2005/093989 A1



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*